

PERSONAL INFORMATION

Diana-Simona ANTAL



📍 „Victor Babeș” University of Medicine and Pharmacy Timișoara, 2 E. Murgu Square, 300041 Timișoara, Romania

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Gender F | Year of birth 1977

WORK EXPERIENCE

2018 **Habilitation in the field of Pharmacy**
(OM 3829/4.06.2018)

2015-present **2015 - present – Professor of Pharmaceutical Botany at the “Victor Babeș” University of Medicine and Pharmacy Timișoara, Faculty of Pharmacy**
2, E. Murgu Square, Timișoara, Romania

Main activities and responsibilities

- Lectures and laboratory practice for students of the study programs Pharmacy – Romanian, French and English, Pharmacy assistance, UMFVBT Master’s programs, and (since 2021) doctoral students
- Coordination of Bachelor’s and Dissertation theses
- Coordination of PhD theses (since 2020)
- Preparation of the Internal assessment report of the study program Pharmacy - French language, for the accreditation by the Romanian Agency for Quality Assurance in Higher Education (2017)
- Preparation of the Internal assessment report of the doctoral university studies, field of Pharmacy, for the accreditation by the Romanian Agency for Quality Assurance in Higher Education (2021)
- Research activities
- Member in the Commission of specialists that propose the subjects for the admission contest into the Faculty of Pharmacy
- Member in the Commission for the recognition of ECTS credits and transfers
- Member in various Commissions evaluating candidates for teaching positions (assistants, lecturers, professors - at the UMFVBT and other Romanian universities)
- Coordination of the activities of the Discipline of Botanical Pharmacy

2008-2015 **Lecturer of Pharmaceutical Botany**

2007- 2008 **Researcher at the Institute for Pharmacy/Pharmacognosy in Innsbruck (Austria)** within the framework of - FWF Grant P18379: Inhibitors of acetylcholinesterase from plants
Institut für Pharmazie/Pharmakognosie, Leopold-Franzens Universität Innsbruck, Innrain 52, 6020 Innsbruck, Austria

Main activities and responsibilities

Phytochemical analysis of plant extracts with acetylcholinesterase inhibitory activity; isolation of active compounds, their chemical structure using spectroscopic methods (RMN 1D and 2D, LC-MS)

2006-2007 **Lecturer of Pharmaceutical Botany**
“Victor Babeș” University of Medicine and Pharmacy Timișoara, Faculty of Pharmacy, 2 E. Murgu Square, Timișoara, Romania

Main activities and responsibilities

- Laboratory practice of Pharmaceutical Botany

- Lectures of Pharmaceutical Botany and Introduction to research and scientific documentation (Romanian and French languages)
- Coordination of Bachelor theses

2004-2006 **University Assistant at the Discipline of Pharmaceutical Botany**
 “Victor Babeș” University of Medicine and Pharmacy Timișoara, Faculty of Pharmacy, 2 E. Murgu Square, Timișoara, Romania

Main activities and responsibilities

- Teaching laboratory practice of Pharmaceutical Botany (Romanian and French languages)

2001–2004 **Associate instructor at the Discipline of Pharmaceutical Botany**
 “Victor Babeș” University of Medicine and Pharmacy Timișoara, Faculty of Pharmacy, 2 E. Murgu Square, Timișoara, Romania

Main activities and responsibilities

- Teaching laboratory practice of Pharmaceutical Botany (Romanian and French languages)

2000-2001 **Pharmacy Intern at the Timisoara County Hospital 1 - “Bega” Pharmacy**
 „Bega” Pharmacy, 12 Dr. Victor Babeș Street, Timișoara, Romania

Main activities and responsibilities

- Preparation of pharmaceuticals for hospitalized patients according to medical prescriptions

EDUCATION AND TRAINING

2013-2015 **Psycho-pedagogical studies (Levels I and II)**

West University of Timisoara

Main subjects covered or skills acquired

- Teaching methods

2014-2015 **Master’s Degree in “Formulation and Evaluation of the Dermato-Cosmetic Product”**

“Victor Babeș” University of Medicine and Pharmacy Timișoara, Faculty of Pharmacy, 2 E. Murgu Square, Timișoara, Romania

Main subjects covered or skills acquired

- Ingredients and formulation of dermato-cosmetic products; skin pathophysiology

2012-2013 **Diplôme universitaire de Nutrition, Diététique et Santé**

Faculté de Pharmacie de Marseille, Université de la Méditerranée Aix-Marseille II, Marseille, France

Main subjects covered or skills acquired

- Nutritional therapy of various pathologies, Pediatric nutrition, Micronutrition

2002-2005 **PhD Studies - Doctor in Pharmacy**

University of Medicine and Pharmacy Târgu Mureș, Romania

Main subjects covered or skills acquired

- Analysis of mineral elements content of medicinal plants
- Mapping of main medicinal plants growing in Western Romania (Aninei Mountains)

2002-2004 **Internship in General Pharmacy – degree as a Pharmacy Specialist in General Pharmacy**

“Victor Babeș” University of Medicine and Pharmacy Timișoara, Faculty of Pharmacy, 2 E. Murgu Square, Timișoara, Romania

Main subjects covered or skills acquired

- Pharmacology, Pharmaceutical Technology, Medical Informatics

1995-2000

Bachelor's Studies in Pharmacy – Degree of Pharmacist

“Victor Babeș” University of Medicine and Pharmacy Timișoara, Faculty of Pharmacy, 2 E. Murgu Square, Timișoara, Romania

Main subjects covered or skills acquired

- Acquisition of theoretical and practical knowledge of a pharmacist

1991-1995

High School – Nikolaus Lenau High School Timisoara
Main subjects covered or skills acquired

- Chemistry – Biology profile (studies in German language)

PERSONAL SKILLS
Spoken languages

German (German Language Certificate of the Education Ministers Conference, DSD II), French (Diploma in Advanced French Language DALF C2), English

Organisational / managerial skills

Head of the Department of Pharmaceutical Botany - coordination of PhD thesis, Master's dissertations, Bachelor theses, lectures for students, planning and management of research projects

Digital competence

Good command of Windows, Word, Excel, MestRec

Driver's licence

B category

ADDITIONAL INFORMATION
Projects
Project Leader

- **“Nanostructures with aurones, chalcones and standardized plant extracts: development of a new prototype compound with chemopreventive and anti-inflammatory activity”**, Romanian – French international bilateral project, in collaboration with the Pharmacognosy Laboratory of the Faculty of Pharmacy of the University of Marseille, contract RO-FR 789/30.06.2014

Member in research projects

- **Acetylcholinesterase inhibitors from plants**, FWF grant 18379, Leopold-Franzens University Innsbruck, Austria
- **Bridge Project No. 810059, FFG Austria**, Leopold-Franzens University Innsbruck, Austria
- **Systematic investigations of the Lactuceae**, FWF grant 15594, Leopold-Franzens University Innsbruck, Austria
- **The elaboration of some bioproducts with triterpenic compounds and cyclodextrins and efficacy/noxious analysis in their skin pathology applications**, CNCSIS AT 173/2007
- **Study of synergistic bioactivity of antioxidant functional foods in reversibility of metabolic syndrome**, CEEX 10 / 7.10.2005
- **Impact of functional foods enriched with bioactive antioxidant components on quality of life in breast cancer**, CNCSIS 27690/14.03.2005
- **Training of European Phytotherapists for Discovery of New Medications**, RO/2004/PL 93056/TD

Educational and training projects

- **Erasmus internship for Staff involved in Higher Education**
Faculté de Pharmacie de Marseille, Université de la Méditerranée Aix-Marseille II, Marseille, Franța
- **Collaboration Program of the Romanian Academy and the Hungarian Academy of Sciences, Bulgarian Academy and the Serbian Academy**
Research theme: Chemotaxonomy of *Lamiaceae* and *Ranunculaceae* family

Honours and awards

- **Visiting lecturer**
Faculté de Pharmacie de Marseille, Université de la Méditerranée Aix-Marseille II, Marseille, France
- **Diploma of Excellence** for the scientific and technologic research in the framework of bilateral cooperation between Romania and France, Programme „Brancusi – Hubert Curien”
- **Bologna Professor**
Award given by the National Alliance of Student Organizations in Romania, as recognition for the teaching performance (10.05.2017)
- **Reviewer** for: Molecules, Evidence Based Complementary and Alternative Medicine, Pharmacological Research, International Journal of Molecular Sciences, Environmental Pollution, Recent Patents on Drug Delivery and Formulation, Notulae Botanicae Horti Agrobotanici Cluj-Napoca, Scientific Reports etc.
- **Topic editor:** Frontiers in Pharmacology

Timișoara, 2025

Tchiakpe-Antal Diana-Simona

Publications

Habilitation THESIS

Contributions to the scientifically validated valorization of plants employed in traditional phytoterapy, defended on May 3rd, 2018, University of Medicine and Pharmacy of Tîrgu Mureş (Order of the Minister of National Research nr. 3829/04.06.2018.

PhD THESIS

Research regarding the content of mineral elements in medicinal plants from the Aninei Mountains, defended on June 16th, 2005, University of Medicine and Pharmacy of Tîrgu Mureş. PhD degree awarded by Order of the Minister of Education and Research nr. 4802/15.08.2005.

Selection of 10 representative articles

1. Ruse G, Jijie AR, Moacă EA, Pătraşcu D, Ardelean F, Jojic AA, Ardelean S, **Tchiakpe-Antal DS**. *Coffea arabica*: an emerging active ingredient in dermato-cosmetic applications. *Pharmaceuticals*. 2025 Jan 27;18(2):171. IF(2023)=4.3
2. Jojic AA, Liga S, Uţu D, Ruse G, Suciu L, Motoc A, Şoica CM, **Tchiakpe-Antal DS**. Beyond essential oils: diterpenes, lignans, and biflavonoids from *Juniperus communis* L. as a source of multi-target lead compounds. *Plants*. 2024;13(22):3233. IF(2023)=4
3. Jojic AA, Semenescu AD, Predescu I, Drăchici GA, Muntean D, Ardelean F, Ruse G, Gogulescu A, Şoica I, Hegheş A, **Tchiakpe-Antal DS**. *Juniperi galbulus*: screening of phytochemicals and bioactivity investigation of the aqueous extract. *Farmacia*. 2024;72(4): 934-945. IF=1.4
4. **Antal DS**, Avram Ş, Heinrich M. Skin: benefits of natural products in topical applications. *Frontiers in Pharmacology*. 2023;14:1305705. IF=4.4
5. **Antal DS**, Ardelean F, Jijie R, Pinzaru I, Soica C, Dehelean C. Integrating Ethnobotany, Phytochemistry, and Pharmacology of *Cotinus coggygia* and *Toxicodendron vernicifluum*: What Predictions can be Made for the European Smoketree?. *Frontiers in Pharmacology*. 2021;12:662852. IF (2021)= 5.811
6. Ghiulai R, Roşca OJ, **Antal DS***, Mioc M, Mioc A, Racoviceanu R, Macaşoi I, Olariu T, Dehelean C, Creţu OM, Voicu M, Şoica C. Tetracyclic and Pentacyclic Triterpenes with High Therapeutic Efficiency in Wound Healing Approaches. *Molecules*. 2020;25(23):5557, IF (2020) = 4.412
7. **Antal DS**, Ardelean F, Avram S, Pavel IZ, Danciu C, Soica C, Dehelean C. Flavonolignans: One Step Further in the Broad-Spectrum Approach of Cancer. *Anti-Cancer Agents in Medicinal Chemistry (Formerly Current Medicinal Chemistry-Anti-Cancer Agents)*. 2020;20(15):1817-30, IF (2020) = 2.507
8. **Antal DS**, Ardelean F, Chis AR, Ollivier E, Serban MC. Nanoscale Delivery Systems: Actual and Potential Applications in the Natural Products Industry. *Current Pharmaceutical Design* 2017; 23(17):2414-2421, IF (2017) = 2.757, Q2 în categoria WOS "Pharmacology & Pharmacy"
9. **Antal DS**, Pinzaru I, Borcan F, Marti TD, Ledeti I, Coricovac D, Schwaiger S, Stuppner H, Dehelean CA, Ollivier E, Soica C. Inclusion complexes of the aurone sulfuretin and the chalcone butein from *Cotinus coggygia* wood in two cyclodextrin types: first data on physico-chemical properties. *Revista de Chimie* 2016, 67 (6):1104-1109. IF (2016) = 1.232.
10. **Antal DS**, Ardelean F, Pinzaru I, Borcan F, Ledeti I, Coricovac D, Zupko I, Baghdikian B, Ollivier E, Soica C, Bolintineanu SL. Effects of cyclodextrin complexation on the anti-cancer effects of *Cotinus coggygia* extract and its constituents, butein and sulfuretin. *Revista de Chimie* 2016, 67 (8): 1618-1622. IF (2016) = 1.232.

Timișoara, 2025

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